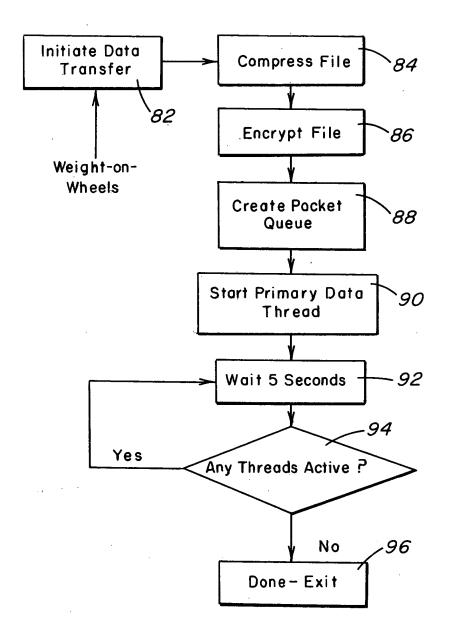


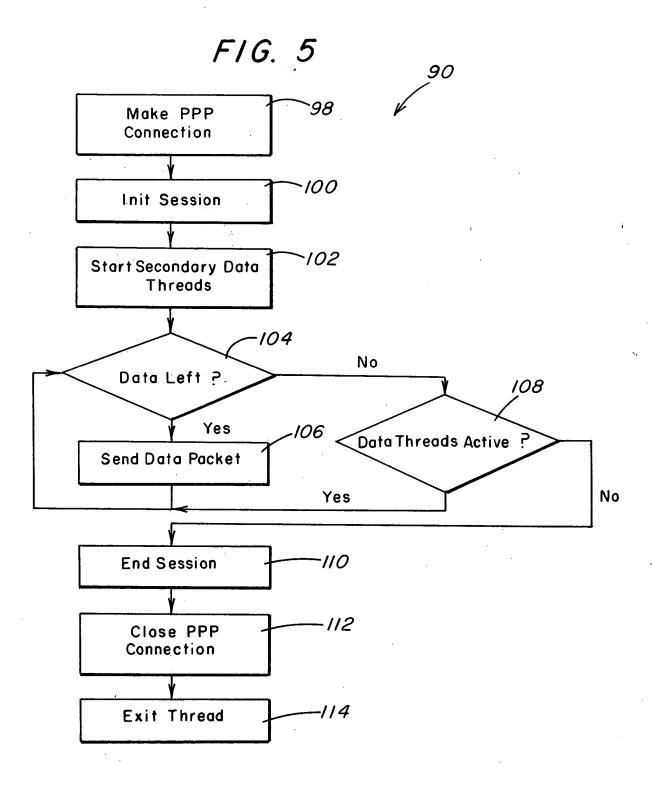
Cellular Infrastructure Base Station Transceiver Subsystem 40 42 Base Station Controller Internet 38/ Communications Unit 50 Local Router Aircraft 34 Multi-Serial Card F16. 2 Local Network -55 Weight-on-Wheels Gatelink Processor 48 50 81 30 **AVIONICS** Processor 2 Gatelink Flight Operations Center Data Acquistion Unit 8 <del>8</del>0 コΖート Processor **-О**ФФОП DFDAU 22 Data Analysis Applins. 6 52 54. omsooro24

45 internet 46 Infrastructure Back bone Internet Router Local Ce 64 99 Interface Interface Data Link Data Link Interface Channels Network 32 Ce Multi-Port Serial Card Local PPP: ррр: 20 00 62 36, **Gatelink Processor Gatelink Processor** F16. 3 Acknowledge Operating System Construction Operating System UDP/IP Reception Network Network Layer Layer Routing UDP/IP Packet 92 28 Uncompression Compression Segmentation Reassembly Encryption Application **Decryption** Application Layer Layer Processor DFDAU 22 Storage Stored File Stored ( File 25 . Eni 28 26

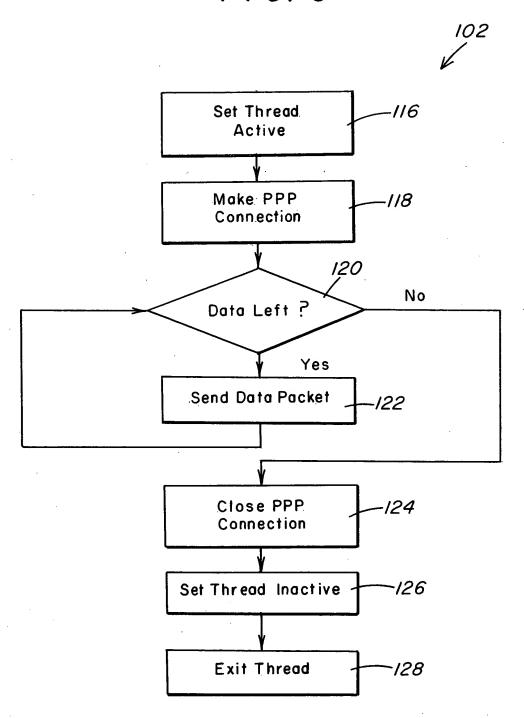
1/8

F/G. 4

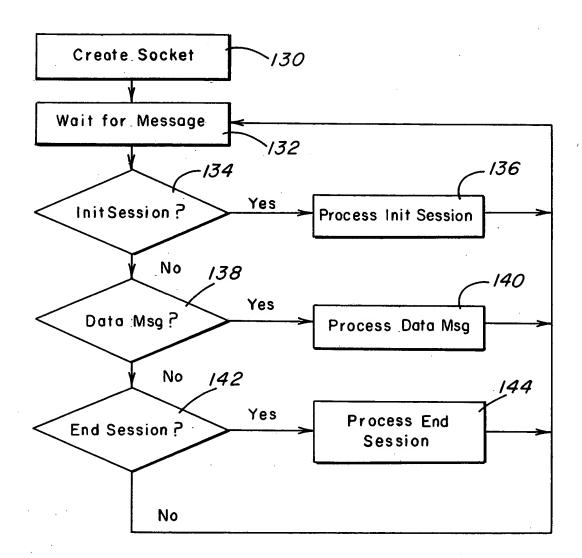




F/G. 6



F1G. 7



F/G. 8

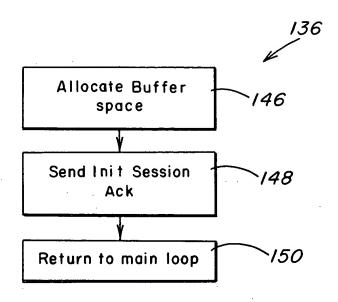
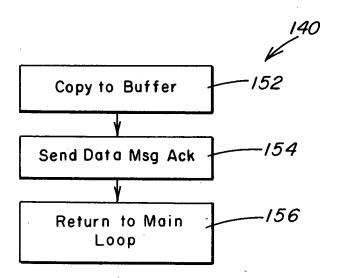


FIG. 9



F1G. 10

